

IN THE CLAIMS

Please amend the claims as follows:

1-64. (Canceled)

65. (Currently Amended) A method, comprising:

sensing intrinsic ventricular depolarizations, ~~including QRS complexes~~, of a left ventricle and a right ventricle;

sensing a cardiac signal which includes a QRS complex;

determining timing relationships between intrinsic ventricular depolarizations of the left and the right ventricle; ~~and~~

determining a duration of the QRS complex; and,

~~selecting one or more ventricular chambers in which to provide pacing pulses based on the timing relationship between intrinsic ventricular depolarizations of the left and the right ventricle~~ and the duration of the QRS complex.

66. (Currently Amended) The method of claim 65, wherein ~~sensing intrinsic ventricular depolarizations includes recording QRS complexes~~ the cardiac signal including a QRS complex is an internal electrogram.

67. (Previously Presented) The method of claim 65, wherein determining timing relationships includes calculating a delay between intrinsic ventricular depolarizations of the left ventricle and the right ventricle.

68. (Currently Amended) The method of claim ~~67~~ 65, wherein ~~determining timing relationships includes measuring a duration interval of one or more QRS complexes~~ the cardiac signal including a QRS complex is a surface ECG.

69. (Currently Amended) The method of claim ~~68~~ 67, wherein selecting one or more ventricular chambers includes suggesting pacing in the left ventricle when the duration ~~interval of the one or more intrinsic ventricular depolarizations~~ of the QRS complex is greater than or equal to a first threshold value and the delay between the left ventricular and the right ventricular sensed intrinsic ventricular depolarization is greater than a second threshold value.

70. (Currently Amended) The method of claim ~~68~~ 67, wherein selecting ~~and/or re-selecting~~ one or more ventricular chambers includes suggesting pacing in the left ventricle and the right ventricle when the duration ~~interval of the one or more intrinsic ventricular depolarizations~~ of the QRS complex is greater than or equal to a first threshold value and the delay between the left ventricular and the right ventricular sensed intrinsic ventricular depolarizations is greater than a second threshold value.

71. (Currently Amended) The method of claim ~~68~~ 67, wherein selecting ~~and/or re-selecting~~ one or more ventricular chambers includes suggesting pacing in the right ventricle when the duration ~~interval of one or more intrinsic ventricular depolarizations~~ of the QRS complex is greater than or equal to a first threshold value and the difference between the left ventricular and the right ventricular sensed intrinsic ventricular depolarizations is less than or equal to a second threshold value.

72. (New) The method of claim 69, wherein the first threshold value is approximately 120 milliseconds and the second threshold value is approximately zero (0).

73. (New) The method of claim 70, wherein the first threshold value is approximately 120 milliseconds and the second threshold value is approximately zero (0).

74. (New) The method of claim 71, wherein the first threshold value is approximately 120 milliseconds and the second threshold value is approximately zero (0).

75. (New) A system, comprising:

means for sensing intrinsic ventricular depolarizations of a left ventricle and a right ventricle;

means for sensing a cardiac signal which includes a QRS complex;

means for determining timing relationships between intrinsic ventricular depolarizations of the left and the right ventricle;

means for determining a duration of the QRS complex; and,

means for selecting one or more ventricular chambers in which to provide pacing pulses based on the timing relationship between intrinsic ventricular depolarizations of the left and the right ventricle and the duration of the QRS complex.

76. (New) The system of claim 75, wherein the means for sensing intrinsic depolarizations of a left ventricle and a right ventricle are the sensing electrodes of an implantable medical device.

77. (New) The system of claim 75, wherein the means for sensing a cardiac signal which includes a QRS complex includes one or more electrodes of an implantable medical device.

78. (New) The system of claim 75, wherein the means for sensing a cardiac signal which includes a QRS complex is a surface ECG apparatus.

79. (New) The system of claim 75, wherein the means for determining timing relationships between intrinsic ventricular depolarizations of the left and the right ventricle is incorporated into an implantable medical device.

80. (New) The system of claim 75, wherein the means for determining timing relationships between intrinsic ventricular depolarizations of the left and the right ventricle is incorporated into an external programmer for an implantable medical device.

81. (New) The system of claim 75, wherein the means for determining the duration of a QRS complex is incorporated into an external programmer for an implantable medical device.

82. (New) The system of claim 75, wherein the means for determining the duration of a QRS complex is incorporated into an implantable medical device.

83. (New) The system of claim 75, wherein the means for determining timing relationships includes means for calculating a delay between intrinsic ventricular depolarizations of the left ventricle and the right ventricle.

84. (New) The system of claim 75, wherein the means for selecting one or more ventricular chambers in which to provide pacing pulses is incorporated into an implantable medical device.

85. (New) The system of claim 75, wherein the means for selecting one or more ventricular chambers in which to provide pacing pulses is incorporated into an external programmer for an implantable medical device.

86. (New) The system of claim 75, wherein the means for selecting one or more ventricular chambers in which to provide pacing pulses includes means for suggesting pacing in the left ventricle when the duration of the QRS complex is greater than or equal to a first threshold value and the delay between the left ventricular and the right ventricular sensed intrinsic ventricular depolarization is greater than a second threshold value.